PTO/SB/05 (08-03) Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Attorney Docket No. HO-P02142US2 UTILITY First Inventor Katrin Fuhrer PATENT APPLICATION A TIME-OF-FLIGHT MASS SPECTROMETER

TRANSMITTAL Title FOR MONITORING OF FAST PROCESSES (Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. EU578408105US MS Patent Application APPLICATION ELEMENTS Commissioner for Patents ADDRESS TO: See MPEP chapter 600 concerning utility patent application contents. P.O. Box 1450 Alexandria, VA 22313-1450 Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or 7. (Submit an original, and a duplicate for fee processing) Computer Program (Appendix) Nucleotide and/or Amino Acid Sequence Submission Applicant claims small entity status. 8 See 37 CFR 1.27. (if applicable, all necessary) Specification 3. Х Total Pages 31 Computer Readable Form (CRF) (preferred arrangement set forth below)
- Descriptive title of the invention Specification Sequence Listing on: Cross Reference to Related Applications CD-ROM or CD-R (2 copies); or Paper Statement Regarding Fed sponsored R & D
 Reference to sequence listing, a table, Statements verifying identity of above copies C or a computer program listing appendix Background of the Invention
 Brief Summary of the Invention
 Brief Description of the Drawings (if filed) **ACCOMPANYING APPLICATION PARTS** 9. Assignment Papers (cover sheet & document(s)) - Detailed Description - Claim(s)
- Abstract of the Disclosure 37 CFR 3.73(b) Statement Power of 10. (when there is an assignee) Attorney 11 Drawing(s) (35 U.S.C. 113) [Total Sheets 9 11. English Translation Document (if applicable) Information Disclosure Copies of IDS 5. Oath or Declaration [Total Sheets 12. Statement (IDS)/PTO-1449 Citations Newly executed (original or copy) Preliminary Amendment 13. a. Copy from a prior application (37 CFR 1.63(d)) Return Receipt Postcard (MPEP 503) 14. (for continuation/divisional with Box 18 completed) (Should be specifically itemized) Certified Copy of Priority Document(s) 15. **DELETION OF INVENTOR(S)** (if foreign priority is claimed) Signed statement attached deleting inventor(s) Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). named in the prior application. 16. see 37 CFR 1.63(d)(2) and 1.33(b). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other: X Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation-in-part (CIP) of prior application No.: Continuation Divisional 10/155,291 2881 Prior application information: Examiner Paul M. Gurzo Art Unit: or CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS 26271 Х Customer Number: Correspondence address below Name Address City Zip Code State Country Telephone Fax Name (Print/Type) Gino Catena Registration No. (Attorney/Agent) 45,546 Signature October 20, 2003 Date

Utility	Patent	Application	Transmitta
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Dated: October 20, 2003

JMCha (Pamela Tincha) Signature:

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

Complete if Known Not Yet Assigned Application Number October 20, 2003 Filing Date Katrin Fuhrer First Named Inventor Not Yet Assigned **Examiner Name** N/A Art Unit HO-P02142US2

TOTAL AMOU	IT OF PAYMENT	(\$) 428.00	8.00 Attorney Docket No.			o	HO-P02142US2			
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	ndicated below, except for	the filing fee	1804	920*	1804	920*	Requesting Examiner a	g publication of SIR prior action	to	
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1002 340 2003	170 Design filing for	ee l	1401	330	2401	165	Notice of A	Appeal	T T	
1003 530 2003	265 Plant filing fee		1402	330	2402	165	Filing a brid	ef in support of an appea	al	
1004 770 2004	385 Reissue filing	fee	1403	290	2403	145	Request fo	or oral hearing		
1005 160 200	80 Provisional fili	ng fee	1451	1,510	1451	1,510	Petition to	institute a public use pro	ceeding	
	SUBTOTAL (1)	(\$) 385.00	1452	110	2452	55	Petition to	revive – unavoidable		
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2. EXTRA CLA	M FEES FOR UTIL		1501	1,330	2501	665	Utility issue	e fee (or reissue)		
		e from Fee Paid	1502	480	2502	240	Design issi	ue fee		
Total Claims 12	-20** = x	= 0.00	1503	640	2503	320	Plant issue	fee		
Independent Claims 4	-3** = 1 x	43.00 = 43.00	1460	130	1460	130	Petitions to	the Commissioner		
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Large Entity Small	l Entity		1806	180	1806	180	Submission	n of Information Disclosu	re Stmt	
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1202 18 2202	9 Claims in excess		1809	770	2809	385		bmission after final reject		
1201 86 2201	•	ims in excess of 3	1810	770	2810	385	•	dditional invention to be	F	
1203 290 2203 1204 86 2204	• •	ent claim, if not paid						(37CFR 1.129(b))		
1204 86 2204	43 ** Reissue inder over original p		1801	770	2801	385		r Continued Examination or expedited examination		
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and over original patent			Other fo	ee (spec	ify)					
SUBTOTAL (2) (\$) 43.00				ced by E	lasic Fil	ing Fee	Paid	SUBTOTAL (3)	(\$)	0.00
**or number previously paid, if greater; For Reissues, see above									_	

SUBMITTED BY					(Complete (if applicable))		
Name (Print/Type)	Gino Catena	Registration No. (Attorney/Agent)	45,546	Telephone	(713) 651-5144		
Signature	Deno Caleno			Date	October 20, 2003		

Fee Transmittal

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Dated: October 20, 2003

Application	No. (if	known):
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Attorney Docket No.: HO-P02142US2

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on	October 20, 2003				
	Date	_			

Pamela Tincha Typed or printed name of person signing Certificate

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Application Data Sheet